CANADA

DEPARTMENT OF TRADE AND COMMERCE

STANDARDS BRANCH

E - 7

OTTAWA May 6, 1965.

NOTICE OF APPROVAL

FOR

FERRANTI TYPE "PR" PRINTOMETER DEMAND RECORDER

Apparatus

Rating:	
Number of printed figures	4
Speed of Impulsing	2000 per ½ hour average 250 millisecond minimum interval between pulses.
Type of Impulsing	S.P.D.T.
Ratings	Impulse coils - 50V 125 ma DC 32V 195 ma DC Reset coil 50V 100 ma DC 32V 156 ma DC Reset motor 50V 450 ma DC 32V 700 ma DC
Reset	By approved external time switch with a 0.5 to 2 second "make" period.
Reset periods	10, 15, 20, 30 or 60 minutes
Impulse values	Each pulse can be printed as equivalent to 1, 2, 3, 4 or 5 KW, KVA, KVAR or similar units. Decimal multipliers are used outside these ranges.
Length of chart	Paper tape pre-printed with times, 15, 20 and 30 minute tapes last 40 days.
Type of printing	Through carbon paper ribbon lasting for 3 months on 30 minute prints; proportional for other periods.

Description

The Type PR Printometer provides on a paper tape a four figure record of the demand of successive periods. It is operated by two-way impulses produced by the pulse output of a meter or summator where each pulse has a definite value of Kwh, Kvarh, etc.

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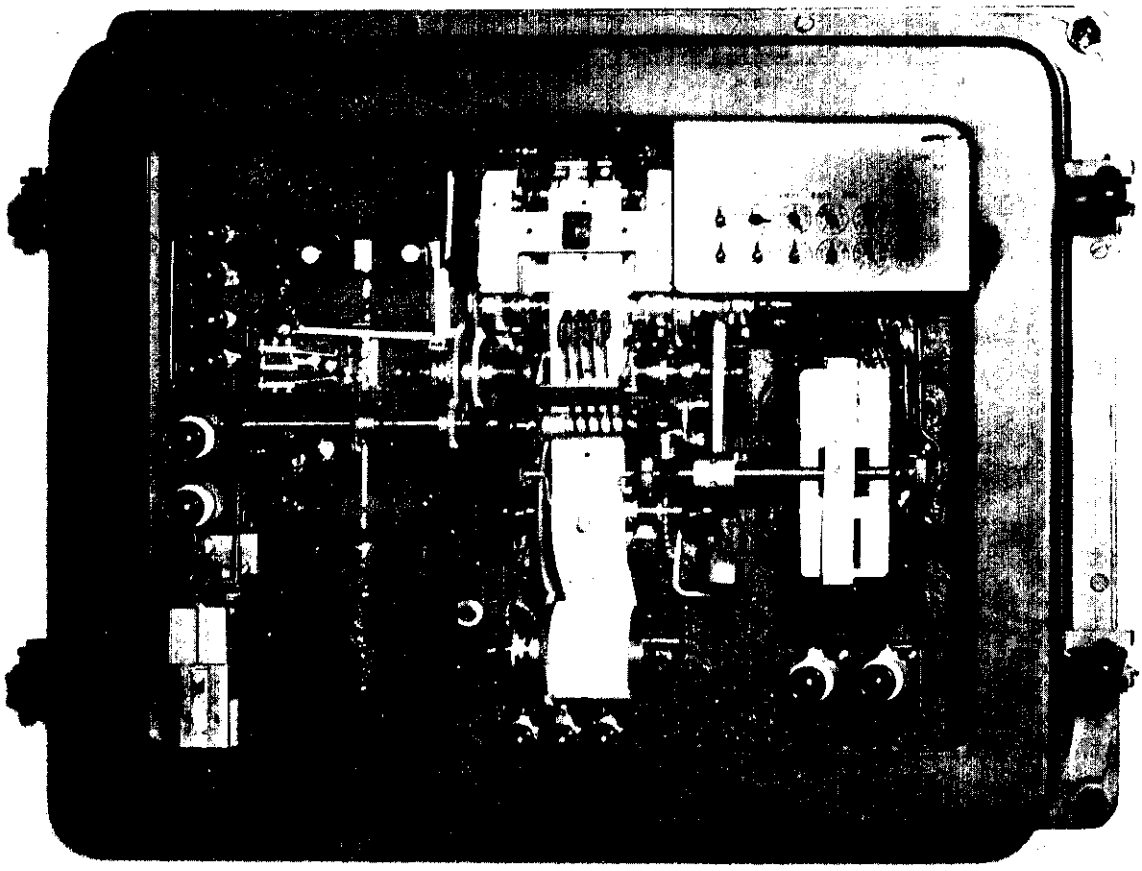

Description (Con'd.)

The impulses are fed to the two main operating coils alternately, so that each coil in turn causes movement of a rocker arm which, in turn, by a system of ratchets, rotates a four digit cyclometer mechanism. The cyclometer integrates the impulses received during each demand period and resets to zero after the printing operation at the end of the period.

Printing and resetting occur when the contacts of the time switch close at the end of each demand period. It is important that the contacts of the time switch remain closed for a period of 0.5 to 2 seconds. This period must not exceed 2 seconds otherwise double printing may occur.

Pulses received during the printing period are stored in a storage device with a capacity of 11 pulses.

The power to perform the printing action is supplied by a built-in motor.

The entire unit is installed in a glass-fronted case arranged for switchboard mounting.

Approval is granted to: Ferranti-Packard Electric Limited,
St. Catharines, Ontario.

W.J.S. Fraser,
Chief, Standards Laboratory,
Standards Branch.

K. Cryer,
Chief, Electricity & Gas Division,
Standards Branch.

Ref: SL-100-105